



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/092,488	06/05/1998	TEDDY C. JOHNSON	10980822-1	6145

22879 7590 11/02/2004

HEWLETT PACKARD COMPANY
P O BOX 272400, 3404 E. HARMONY ROAD
INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER

HAYES, JOHN W

ART UNIT	PAPER NUMBER
----------	--------------

3621

DATE MAILED: 11/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/092,488

Applicant(s)

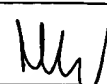
JOHNSON, TEDDY C.

Examiner

John W Hayes

Art Unit

3621



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 June 2004 (Board Decision).
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2,3 and 6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2,3 and 6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: Examiner's Amendment.

DETAILED ACTION

Prosecution Reopened After Board Decision

1. A decision by the Board of Patent Appeals and Interferences has been rendered and mailed on 22 June 2004. Claims 1-3, 6, 7 and 11 were appealed as a result of the examiner's rejection, claims 4 and 5 were canceled and claims 8-10 and 12-19 stand withdrawn as a result of a restriction requirement. The Board affirmed the rejections of claims 1, 7 and 11 and reversed the examiner for claims 2, 3 and 6. As a result of this decision by the Board, the examiner is taking the following actions:

- a. Examiner's amendment to cancel claims 1, 7 and 11 and rewrite dependent claims 2, 3 and 6 in independent form.
- b. Reopen prosecution of claims 2, 3 and 6 based on a new grounds of rejection by citing admitted prior art and references to support examiner's previous assertion that the limitations of these claims are well known in the art.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over the disclosed prior art in view of Joffe et al, U.S. Patent No. 6,185,619 B1, Kawaguchi, U.S. Patent No. 5,832,527 and RFC 764 – Telnet Protocol Specification, published June 1980.

As per Claim 2, the previous rejection of the following limitations have been affirmed as discussed in the Appeal Decision mailed 22 June 2004 and need not be further discussed here:

Art Unit: 3621

A system for facilitating the transfer of data to authorized users over the Internet, the system comprising:

a plurality of host machines for running a plurality of processes, the plurality of host machines residing on an unsecured side of a firewall, the firewall having a secured side and the unsecured side;

at least one secure communication link between the plurality of host machines;

a filing storage system accessible by at least one of the plurality of host machines, the filing storage system having a storeroom area and a customer account area, wherein the filing storage system supports hard file links between the storeroom area and the customer account area, the hard file links comprising pointers to files;

at least one secured host machine residing on the secured side of the firewall;

a customer account database located on the secured host machine and accessible by at least one of the plurality of host machines across a second secure communication link through the firewall.

Joffe et al and Kawaguchi fail to disclose protocols for the exchange of arbitrary sized packets of ascii data, delimited by carriage return and newline boundary markers, however, applicant suggests that such protocols are known such as the Network Virtual Terminal (NVT) protocol and the Fulfillment Server Protocol (FFS)(See applicant's specification, page 9, lines 2-17). RFC 764 also discloses that the Network Virtual Terminal (NVT) protocol is well known for the exchange of arbitrary sized packets of ascii data, delimited by carriage return and newline boundary markers (pages 1, 4-6, 10-12). Thus, it would have been obvious to one having ordinary skill in the art at the time of applicant's invention to use a protocol such as NVT or Telnet as suggested by applicant and taught by RFC 764 since these protocols are well known for facilitating the transfer of data from one terminal to another. One would have been motivated to use these protocols, for example, since they were readily available and widely used for this purpose.

4. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over the disclosed prior art in view of Joffe et al, U.S. Patent No. 6,185,619 B1, Kawaguchi, U.S. Patent No. 5,832,527, RFC 764 – Telnet Protocol Specification, published June 1980 and Todd, U.S. Patent No. 6,463,418 B1.

Art Unit: 3621

As per Claim 3, the previous rejection of the following limitations have been affirmed as discussed in the Appeal Decision mailed 22 June 2004 and need not be further discussed here:

A system for facilitating the transfer of data to authorized users over the Internet, the system comprising:

a plurality of host machines for running a plurality of processes, the plurality of host machines residing on an unsecured side of a firewall, the firewall having a secured side and the unsecured side;

at least one secure communication link between the plurality of host machines;

a filing storage system accessible by at least one of the plurality of host machines, the filing storage system having a storeroom area and a customer account area, wherein the filing storage system supports hard file links between the storeroom area and the customer account area, the hard file links comprising pointers to files;

at least one secured host machine residing on the secured side of the firewall;

a customer account database located on the secured host machine and accessible by at least one of the plurality of host machines across a second secure communication link through the firewall.

Joffe et al and Kawaguchi fail to disclose protocols for the exchange of arbitrary sized packets of ascii data, delimited by carriage return and newline boundary markers, however, applicant suggests that such protocols are known such as the Network Virtual Terminal (NVT) protocol and the Fulfillment Server Protocol (FFS)(See applicant's specification, page 9, lines 2-17). RFC 764 also discloses that the Network Virtual Terminal (NVT) protocol is well known for the exchange of arbitrary sized packets of ascii data, delimited by carriage return and newline boundary markers (pages 1, 4-6, 10-12). Thus, it would have been obvious to one having ordinary skill in the art at the time of applicant's invention to use a protocol such as NVT or Telnet as suggested by applicant and also taught by RFC 764 since these protocols are well known for facilitating the transfer of data from one terminal to another. One would have been motivated to use these protocols, for example, since they were readily available and widely used for this purpose.

Joffe et al and Kawaguchi also fail to disclose wherein at least one secure communication link utilizes DES encryption. Todd discloses a secure electronic business transaction system wherein

Art Unit: 3621

information is stored in a database management module and providing a client customized interface with the information by a network server module. Todd further discloses the use of various encryption algorithms when providing information to customers which are known in the art and specifically cites B. Schneier, "Applied Cryptography" (Jon Wiley & Sons, Inc. 2d ed. 1996) which covers DES encryption in detail. It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to modify the methods of Joffe et al and Kawaguchi and include DES encryption when communicating information. One would have been motivated to use encryption in an effort to secure communications of private information thereby preventing unauthorized access to the information.

5. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over the disclosed prior art in view of Joffe et al, U.S. Patent No. 6,185,619 B1 and Kawaguchi, U.S. Patent No. 5,832,527 and RFC 764 – Telnet Protocol Specification, published June 1980

As per Claim 6, the previous rejection of the following limitations have been affirmed as discussed in the Appeal Decision mailed 22 June 2004 and need not be further discussed here:

A system for facilitating the transfer of data to authorized users over the Internet, the system comprising:

a plurality of host machines for running a plurality of processes, the plurality of host machines residing on an unsecured side of a firewall, the firewall having a secured side and the unsecured side;

at least one secure communication link between the plurality of host machines;

a filing storage system accessible by at least one of the plurality of host machines, the filing storage system having a storeroom area and a customer account area, wherein the filing storage system supports hard file links between the storeroom area and the customer account area, the hard file links comprising pointers to files;

at least one secured host machine residing on the secured side of the firewall;

a customer account database located on the secured host machine and accessible by at least one of the plurality of host machines across a second secure communication link through the firewall; and

Art Unit: 3621

Joffe et al and Kawaguchi fail to disclose wherein the second secure communication link through the firewall utilizes tobj protocol, however, applicant suggests that this protocol was known (Specification, page 6, lines 1-10) and it would have been obvious to use the tobj protocol in view of applicant suggestion that this protocol was known at the time of applicant's invention for sending transactions across a specified range of ports.

Art Unit: 3621

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Hayes whose telephone number is (703)306-5447. The examiner can normally be reached Monday through Friday from 5:30 to 3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jim Trammell, can be reached on (703) 305-9768.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1113.

Please address mail to be delivered by the United States Postal Service (USPS) as follows:

**Mail Stop _____
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

Please address mail to be delivered by other delivery services (Federal Express (Fed Ex), UPS, DHL, Laser, Action, Purolator, etc.) as follows:

**U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Mail Stop _____
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202**

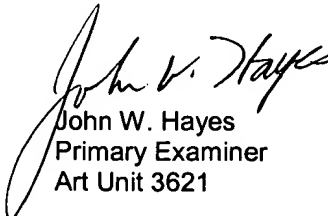
or faxed to:

(703) 872-9306 [Official communications; including
After Final communications labeled
"Box AF"]

(703) 746-5531 [Informal/Draft communications, labeled
"PROPOSED" or "DRAFT"]

Hand delivered responses should be brought to Crystal Park 5, 2451 Crystal Drive, Arlington, VA, 7th floor receptionist.


**JOHN J. LOVE
DIRECTOR
CENTER 3600**


**John W. Hayes
Primary Examiner
Art Unit 3621**

September 30, 2004

Examiner's Amendment

Please amend the claims as follows:

1. (Canceled)

2. (Currently Amended) [The system of claim 1] A system for facilitating the transfer of data to authorized users over the Internet, the system comprising:

a plurality of host machines for running a plurality of processes, the plurality of host machines residing on an unsecured side of a firewall, the firewall having a secured side and the unsecured side;

at least one secure communication link between the plurality of host machines;

a filing storage system accessible by at least one of the plurality of host machines, the filing storage system having a storeroom area and a customer account area, wherein the filing storage system supports hard file links between the storeroom area and the customer account area, the hard file links comprising pointers to files;

at least one secured host machine residing on the secured side of the firewall;

a customer account database located on the secured host machine and accessible by at least one of the plurality of host machines across a second secure communication link through the firewall; and

wherein the at least one secure communication link utilizes a protocol for the exchange of arbitrary sized packets of ascii data, delimited by carriage return and newline boundary markers.

3. (Currently Amended) [The system of claim 2] A system for facilitating the transfer of data to authorized users over the Internet, the system comprising:

a plurality of host machines for running a plurality of processes, the plurality of host machines residing on an unsecured side of a firewall, the firewall having a secured side and the unsecured side;

at least one secure communication link between the plurality of host machines;

Art Unit: 3621

a filing storage system accessible by at least one of the plurality of host machines, the filing storage system having a storeroom area and a customer account area, wherein the filing storage system supports hard file links between the storeroom area and the customer account area, the hard file links comprising pointers to files;

at least one secured host machine residing on the secured side of the firewall;

a customer account database located on the secured host machine and accessible by at least one of the plurality of host machines across a second secure communication link through the firewall;

wherein the at least one secure communication link utilizes a protocol for the exchange of arbitrary sized packets of ascii data, delimited by carriage return and newline boundary markers; and

wherein at least one secure communication link utilizes DES encryption.

4. (Canceled)

5. (Canceled)

6. (Currently Amended) [The system of claim 1] A system for facilitating the transfer of data to authorized users over the Internet, the system comprising:

a plurality of host machines for running a plurality of processes, the plurality of host machines residing on an unsecured side of a firewall, the firewall having a secured side and the unsecured side;

at least one secure communication link between the plurality of host machines;

a filing storage system accessible by at least one of the plurality of host machines, the filing storage system having a storeroom area and a customer account area, wherein the filing storage system supports hard file links between the storeroom area and the customer account area, the hard file links comprising pointers to files;

at least one secured host machine residing on the secured side of the firewall;

a customer account database located on the secured host machine and accessible by at least one of the plurality of host machines across a second secure communication link through the firewall; and

wherein the second secure communication link through the firewall utilizes tobj protocol.

Application/Control Number: 09/092,488

Page 10

Art Unit: 3621

7. (canceled)

8-10. (Withdrawn)

11. (Canceled)

12-19. (Withdrawn)

Art Unit: 3621

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Hayes whose telephone number is (703)306-5447. The examiner can normally be reached Monday through Friday from 5:30 to 3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jim Trammell, can be reached on (703) 305-9768.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1113.

Please address mail to be delivered by the United States Postal Service (USPS) as follows:

**Mail Stop _____
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

Please address mail to be delivered by other delivery services (Federal Express (Fed Ex), UPS, DHL, Laser, Action, Purolator, etc.) as follows:

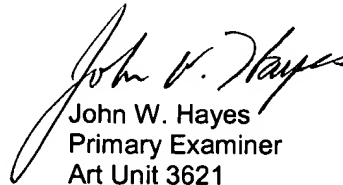
**U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Mail Stop _____
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202**

or faxed to:

(703) 872-9306 [Official communications; including
After Final communications labeled
"Box AF"]

(703) 746-5531 [Informal/Draft communications, labeled
"PROPOSED" or "DRAFT"]

Hand delivered responses should be brought to Crystal Park 5, 2451 Crystal Drive, Arlington, VA, 7th floor receptionist.


John W. Hayes
Primary Examiner
Art Unit 3621

September 30, 2004